



NOAA
FISHERIES
SERVICE

NORTHEAST
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Sector / NMFS Data Report Guide Rev. 1.0

Fishing Year 2011

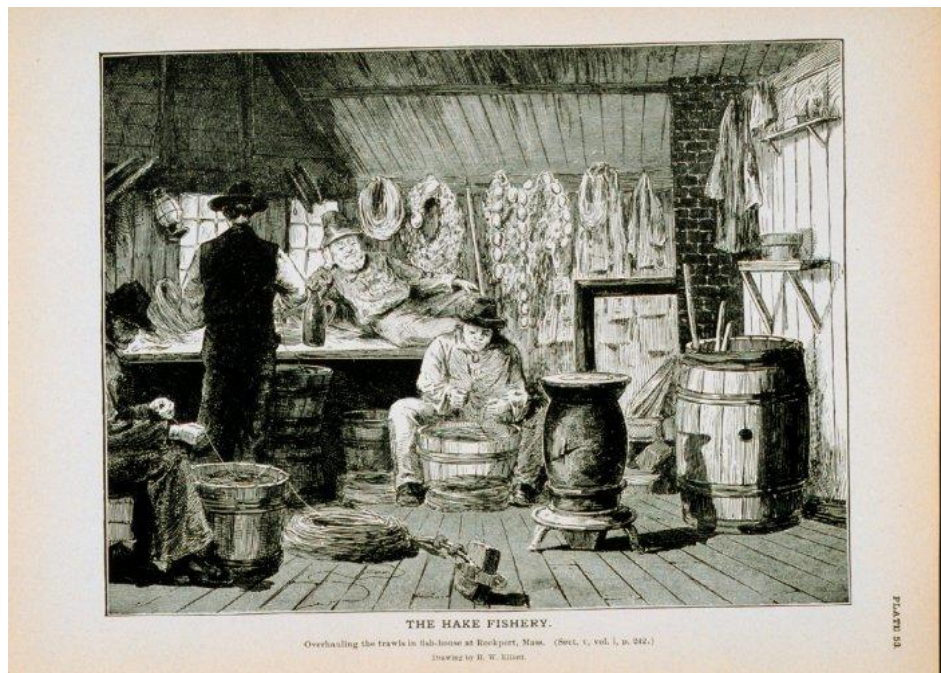


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Introduction

NOAA's National Marine Fisheries Service (NMFS) has developed standards for the sector manager report, which is listed as a requirement for sectors in Amendment 16 to the Northeast (NE) Multispecies Fishery Management Plan (FMP).

It is the responsibility of individual sectors to submit weekly reports to NMFS stating the remaining balance of Allocated Catch Entitlement (ACE) for each sector based upon regulated species landings and discards of vessels participating in that sector and any compliance or enforcement concerns. To help with this task, use the Sector /NMFS Data Report.

Using the Sector / NMFS Data Report

The Sector / NMFS Data Report lets you see at a glance:

- Summary catch and ACE status data for your sector and every sector based on uploaded Sector Manager Reports. The purpose is to let you compare your numbers with those numbers that NMFS has, and to use the report as a basis to begin investigating if any numbers vary widely.
- Detailed *stock-level* information about landings, discards, and other data based on their uploaded reports, and to see how this information differs from information that NMFS has for their sector. This stock-level information shows *only* the data that differ between your sector and NMFS. When your data and NMFS data are identical, those data do not appear on the report.

Note: As a sector manager, you should receive the Sector / NMFS Data Report as an e-mail attachment by the close of the business day on Thursday. If for some reason you do not receive the report by then, contact NMFS.

How the Report is Organized

The Sector/NMFS Data Report is a single MS Excel file that contains several spreadsheets, each accessible by its own tab. These spreadsheets are listed in [Table 1](#).

Table 1: Data Report Sheets

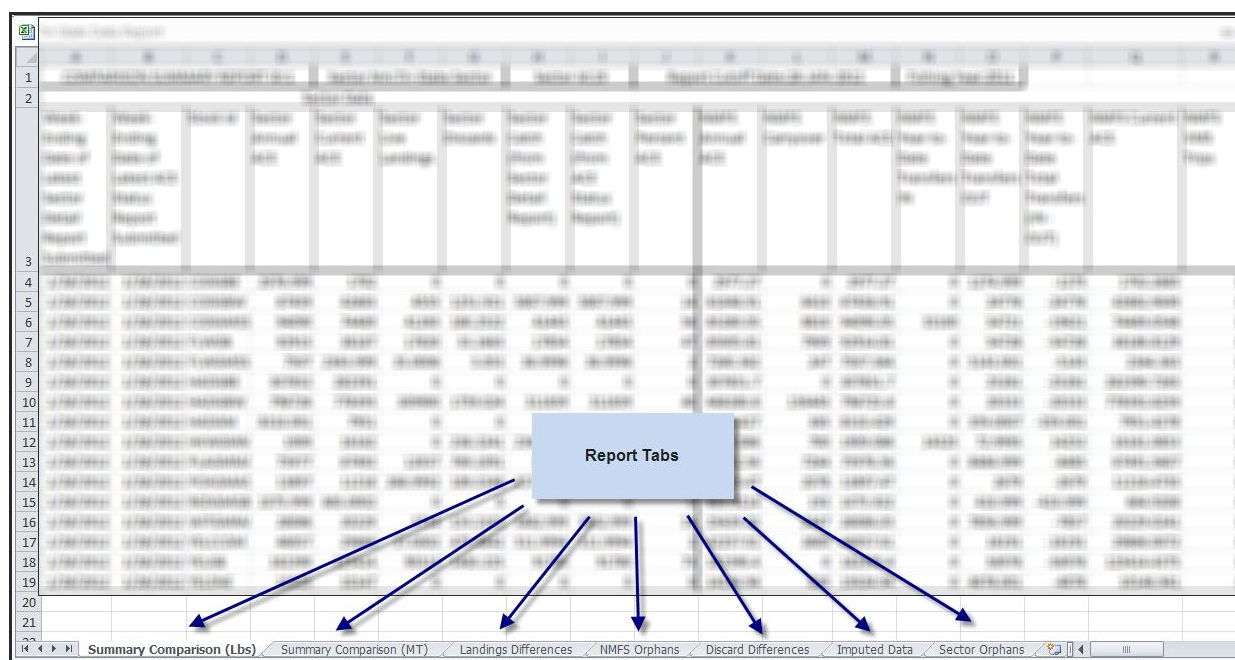
Sheet	Sheet Contents	Information Level
Summary Comparison (Lbs)	Fishing-year-to-date totals (in pounds) for your sector.	Stock-level
Summary Comparison (MT)	Fishing-year-to-date totals (in metric tons) for your sector.	Stock-level
Landings Differences	Each stratum (area, gear, and mesh) in the current week that has a difference in landings reported by NMFS and landings reported by the sector.	Stock-level

Sheet	Sheet Contents	Information Level
NMFS Orphans	NMFS records of trips, by stock, that your sector does not have.	Stock-level
Discard Differences	Each stratum (area, gear, and mesh) in the current week that has a difference in discard poundage recorded by NMFS and discards recorded by the sector.	Stock-level
Imputed Trips	Trips in your sector since the start of the fishing year that currently have imputed pounds assessed.	Trip-level
Sector Orphans	Sector records of trips, by stock, that NMFS does not have.	Stock-level

Note: There are two Summary Comparison sheets, one for totals displayed in *pounds* and one for totals displayed in *metric tons*. This weight expression is the only difference between the two sheets. This document discusses the Summary Comparison (Lbs) sheet.

Click the appropriate tab at the bottom of the Excel workbook to access each of the sheets, as in [Figure 1](#).

Figure 1: Sector / NMFS Data Report -- Tabs



Each of the following sections of this document describes these different collections of data.

Summary Comparison

The Summary Comparison sheet shows fishing-year-to-date totals for your sector. The cumulative totals include landings, discards, catch, imputations, and ACE transfers. See [Figure 2](#) and [Figure 3](#) for an example of what the sheet displays (both figures comprise the entire sheet).

Figure 2: Summary Comparison Sheet – Sector Data

	A	B	C	D	E	F	G	H	I	J
1	COMPARISON SUMMARY REPORT ID:1									Repo
2	Sector Data									
3	Week-Ending Date of Latest Sector Detail Report Submitted	Week-Ending Date of Latest ACE Status Report Submitted	Stock Id	Sector Annual ACE	Sector Current ACE	Sector Live Landings	Sector Discards	Sector Catch (from Sector Detail Report)	Sector Catch (from ACE Status Report)	Sector Percent ACE
4	1/28/2012	1/28/2012	CODGBE	2977	1702	0	0	0	0	0
5	1/28/2012	1/28/2012	CODGBW	67459	42683	4555	1251.92	5808	5808	14
6	1/28/2012	1/28/2012	CODGMSS	94090	74469	41265	180.252	41443	41443	56
7	1/28/2012	1/28/2012	FLWGB	92915	38187	17820	33.1663	17854	17854	47
8	1/28/2012	1/28/2012	FLWGMSS	7507	2364	35.0006	5.053	38.9998	38.9998	2
9	1/28/2012	1/28/2012	HADGBE	307652	282391	0	0	0	0	0
10	1/28/2012	1/28/2012	HADGBW	798726	778393	309900	1759.02	311659	311659	40
11	1/28/2012	1/28/2012	HADGM	8310	7951	0	0	0	0	0
12	1/28/2012	1/28/2012	HKWGMV	1909	16162	0	238.324	236.999	236.999	1
13	1/28/2012	1/28/2012	PLAGMM	75977	67492	12037	769.109	12806	12806	19
14	1/28/2012	1/28/2012	POKGMAS	13897	11218	268.999	189.525	457.999	457.999	4
15	1/28/2012	1/28/2012	REDGME	1076	665	0	0	0	0	0
16	1/28/2012	1/28/2012	WITGMM	28086	20229	3714	153.21	3863	3863	19
17	1/28/2012	1/28/2012	YELCCGM	46057	29866	37.0002	475.484	511.999	511.999	2
18	1/28/2012	1/28/2012	YELGB	182390	125414	90313	1465.32	91780	91780	73
19	1/28/2012	1/28/2012	YELSNE	15025	10147	0	0	0	0	0

Figure 3: Summary Comparison Sheet - NMFS Data

K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
rt Cutoff Date:28-JAN-2012			Fishing Year:2011																		
NMFS Data																					
NMFS Annual ACE	NMFS Carryover	NMFS Total ACE	NMFS Year-to-Date Transfers IN	NMFS Year-to-Date Transfers OUT	NMFS Year-to-Date Total Transfers (IN - OUT)	NMFS Current ACE	NMFS VMS Trips	NMFS VMS Landings	NMFS VTR Trips	NMFS VTR Landings	NMFS Dealer Trips	NMFS Dealer Landings	NMFS VTR + Dealer Matches Trips	NMFS VTR + Dealer Matches Landings	NMFS Bait or Home Consumption	NMFS Estimated Trips	NMFS Estimated Landings	NMFS Discards	NMFS Catch (Includes VMS, VTR, Dealer, Matches, BHC, Estimated and	NMFS Percent ACE (adjusted to exclude transfers occurring after week ending	Difference in ACE Percentages (NMFS - Sector)
2977.27	0	2977.27	0	1275	-1275	1702.2685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61048.9	6410	67458.9	0	24776	-24776	42682.9049	0	0	0	0	0	0	14	4567.22	0	0	0	1253.46	5820.6843	13.637	-0.363
85280.1	8810	94090.1	35100	54721	-19621	74469.0546	0	0	2	2618.56	1	108	14	38768.8	0	2	1382.649	198.445	43076.4146	57.845	1.845
85005.8	7909	92914.8	0	54728	-54728	38186.8129	0	0	0	0	0	0	14	17820	0	0	34.1121	17854.112	46.755	-0.245	-0.245
7260.36	247	7507.36	0	5143	-5143	2364.363	0	0	0	0	0	0	6	35.0006	0	2	17.7671	5.5755	58.3431	2.468	0.468
307652	0	307652	0	25261	-25261	282390.7265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
668281	130445	798726	0	20333	-20333	778392.8259	0	0	0	0	0	0	15	309900	0	0	0	1760.02	311660.022	40.039	0.039
7945.43	365	8310.43	0	359.001	-359	7951.4278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1209.09	700	1909.09	14325	72.9995	14252	16161.0853	0	0	0	0	0	0	0	0	0	0	0	236.688	236.6883	1.465	0.465
68712.6	7264	75976.6	0	8485	-8485	67491.5607	0	0	0	0	0	0	9	12037	0	0	0	785.644	12822.6429	18.999	-0.001
11819.5	2078	13897.5	0	2679	-2679	11218.4735	0	0	0	0	0	0	7	273.863	0	2	36.5989	191.114	501.5759	4.471	0.471
883.921	192	1075.92	0	410.999	-411	664.9208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25639	2447	28086	0	7857	-7857	20229.0241	0	0	1	6.001	0	0	15	3715	0	2	8.2365	155.9	3885.1381	19.206	0.206
42257	3800	46057	0	16191	-16191	29866.0072	0	0	1	6.001	0	0	7	37.0002	0	2	15.2207	558.517	616.7388	2.065	0.065
182390	0	182390	0	56976	-56976	125414.4375	0	0	0	0	0	0	14	90355	0	0	0	1465.22	91820.2217	73.213	0.213
14194.9	830	15024.9	0	4878	-4878	10146.941	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: The term “Annual ACE” in this report replaces the term “Original ACE”.

How to Read the Summary Comparison Sheet

The Summary Comparison sheet is divided into two main parts:

- **Sector data**
Landings data from the Sector Detail and Sector ACE Status reports that your sector has submitted to NMFS.
- **NMFS data**
Landings data that include the number of trips and total live weight landings to date for a particular stock, categorized by data source. Sources include VMS catch reports, dealer reports, VTRs, observer reports, and permits.

See [Table 2](#) immediately following for detailed explanation of each column in the Summary Comparison sheet.

Table 2: Summary Comparison Sheet

Field	Description
Week-Ending Date of Latest Sector Detail Report Submitted	Date at which the sector is due to submit its weekly Sector Detail Report to NMFS.
Week-Ending Date of Latest ACE Status Report Submitted	Date at which the sector is due to submit its weekly Sector ACE Status Report to NMFS.
Stock Id	Unique stock identifier as taken from the Species field in the VTR and computed against the species-to-stock-area conversion table.
Sector Data (from Sector Reports)	
Sector Annual ACE	<p>Sector's record of its Annual Catch Entitlement (ACE) as derived from the catch history of each of its individual members and the current annual catch limits for each stock.</p> <p>This is the maximum amount of each Northeast multispecies stock that the sector may catch during the fishing year (May 1- April 30).</p>
Sector Current ACE	Sector's record of its Sector Annual ACE including any ACE transfers into or out of the sector. ACE transfers are only valid for the current fishing year.
Sector Live Landings	Data submitted by the sector for the sum of live weights reported for each trip for a particular stock for the entire sector.
Sector Discards	<p>Data submitted by the sector for the sum of discards reported for each trip in a sector for a particular stock.</p> <p>Includes both the amount of observed discards and the amount of discards calculated using the appropriate discard ratio for unobserved trips.</p>

Field	Description
Sector Catch (From Sector Detail Report)	<p>Data submitted by the sector for the sum of the ACE deduction reported for each trip for a particular stock.</p> <p>ACE deduction is the sum of the Live Landings and Discards for a given trip. Catch should be equivalent to the sum of the Live Landings and Discard fields in the columns to the left. Live Landings, Discards, and Catch will be reflected in the Sector Detail Report also.</p>
Sector Catch (From ACE Status Report)	<p>Same as Harvested ACE in the Sector Manager ACE Status Report.</p> <p>Harvested ACE is the sum of Live Landings and Discards for a particular stock as used from data in the Sector Manager Detail Report. The Catch from the ACE Status Report should be equal to the Catch from the Sector Detail Report in the column to the left. In this respect it acts as a check of the data.</p>
Sector Percent ACE	<p>Percentage of the stock's current ACE harvested to date by the sector. Percent ACE is Catch plus Discards from the Sector Detail Report <i>divided by</i> the sector-reported Current ACE (in the columns to the left).</p> <p>Percent ACE should equal Percent Harvested ACE to Date in the Sector Manager ACE Status Report.</p>
NMFS Data (extracted from SIMM)	
NMFS Annual ACE	<p>NMFS record of the Annual Catch Entitlements (ACE) as derived from the catch history of each of the sector's individual members and the current annual catch limits for each stock.</p> <p>This is the maximum amount of each Northeast multispecies stock that the sector may catch during the fishing year (May 1- April 30).</p>
NMFS Carryover	<p>NMFS record of the unused ACE from the previous fishing year "carried over" to the current fishing year.</p> <p>By law, a sector can carry over up to 10% of the Annual ACE for a stock. (However, a sector cannot carry over any additional ACE that was leased to it during the previous fishing year.)</p>
NMFS Total ACE	NMFS Annual ACE plus NMFS Carryover .
NMFS Year-to-Date Transfers IN	NMFS's record of transfers of ACE for each stock into the sector. This number represents the year-to-date transfer total.
NMFS Year-to-Date Transfers Out	NMFS's record of transfers of ACE for each stock to other sectors. This number represents the year-to-date transfer total.
NMFS Year-to-Date Total Transfers (IN – OUT)	NMFS's record of the total amount of transfers, both in and out of the sector, of each stock. Negative number indicates that more stock has been transferred out than transferred in.
NMFS Current ACE	NMFS's record of the Sector Annual ACE including any ACE transfers into or out of the sector. ACE transfers are only valid for the current fishing year.
VMS Trips	Number of trips reported from VMS declarations. Used by NMFS only when neither a VTR nor dealer report exists for a trip.
NMFS VMS Landings	Landings reported on the VMS Catch Report. Used by NMFS only when neither a VTR nor dealer report exists for a trip.

Field	Description
VTR Trips	Number of trips reported from the VTR that recorded catch with this stock. Used when there is a VTR but no Dealer report.
NMFS VTR Landings	Landings of this stock reported on the VTR. Used when there is a VTR but there is no matching Dealer report.
Dealer Trips	Number of trips reported from the Dealer report that recorded catch with this stock. Used when a dealer has reported but no VTR exists.
NMFS Dealer Landings	Landings reported on the Dealer report. Used when there is a dealer report but no matching VTR. Stock ID is determined from stock area and other information provided in the VMS trip declaration or VMS catch report.
NMFS VTR + Dealer Matches Trips	Dealer-reported trips and vessel-reported trips match.
NMFS VTR + Dealer Matches Landings	Dealer-reported landings and vessel-reported landings match. The stock ID is from the VTR. These VTR/Dealer matches provide the most reliable indicators of trip data.
NMFS Bait or Home Consumption	Landings of this stock recorded on the VTR as bait or home consumption. Counts against the sector ACE.
NMFS Estimated Trips	Data from VMS records only that indicate a trip has occurred; however, there are no matched catch reports, VTRs, or Dealer reports for this trip.
NMFS Estimated Landings	Data from VMS records only that indicate a trip has occurred; however, there are no matched catch reports, VTRs, or Dealer reports for this trip. Therefore, this is imputed data, and is used as a "placeholder" in the Percent ACE and Catch estimates.
NMFS Discards	<p>Sum-to-date per stock of discards for all observed trips added to discards estimates for unobserved trips, as obtained from NMFS databases.</p> <p>The discard data for unobserved trips are based on a calculated estimate. This estimate is calculated in the same way for NMFS and for sectors, so the numbers should be identical.</p>
NMFS Catch	<p>Total catch for a particular stock, as found in NMFS records.</p> <p>Total catch equals the sum of the NMFS landings data plus discards. Catch may include imputed data as a placeholder.</p>
NMFS Percent ACE	<p>NMFS determination of the stock's current ACE percentage for the sector.</p> <p>Calculated by dividing Catch plus Discards by Current ACE. This may include imputed data as a placeholder.</p>
Difference in ACE Percentages (NMFS – Sector)	<p>Compares sector Percent ACE with NMFS' Percent ACE.</p> <p>Positive number (no minus sign) means that NMFS has a higher recorded Percent ACE than you reported. Negative number (minus sign) means that you have a higher recorded Percent ACE than NMFS has.</p>

Note: If you need to communicate with NMFS personnel about the week's Data Report, reference the sheet by the **Summary Comparison Report ID** number at the top of the sheet.

How Do I Use the Summary Comparison Sheet?

The Sector/NMFS Summary Comparison sheet is set up so you can compare your data with NMFS data side-by-side. The data on this report are cumulative from the start of the fishing year by stock. In other words, you are looking at relatively large numbers and, therefore, you should be looking for *larger* trends. You can get more specific information at the stock level from the other sheets.

Is there anything particular that you should look for in the Sector/NMFS Data Report? All of the data are useful, but make sure to look at the following:

- [Annual ACE](#)
- [Current ACE](#)
- [Percent ACE](#)
- [Sector Detail Catch Vs. ACE Status Catch](#)
- [Differences in Percentage \(NMFS-Sector\)](#)
- [VMS, VTR, and Dealer Trips / Landings](#)
- [Estimated Trips / Landings](#)

Annual ACE

The value of **Annual ACE** in your data should exactly match the value of **Annual ACE** in NMFS data. This value is the basis upon which all the other ACE numbers depend. If these values are different, one explanation is that you did not record a mid-season adjustment by NMFS to a stock. Another might be a carryover value is missing.

Current ACE

The value of **Current ACE** in your data should exactly match the value of **Current ACE** in NMFS data. If these values are different, one possibility is that a problem exists with recording ACE transfers.

Percent ACE

This is your ACE expressed as a percentage. If the value of **Percent ACE** in your sector data differs by more than a percentage point from the value of **Percent ACE** in NMFS data, this should serve as the basis for further investigation. For example, if your **Percent ACE** is 27% and the NMFS **Percent ACE** is 31%, you should take a closer look. Start by looking at **Catch** and **Discards** numbers for that stock.

Also, you should track the rate by which the ACE percentage increases for each stock week-to-week so that your sector does not approach the ACE threshold for any stock too rapidly.

Sector Detail Catch vs. ACE Status Catch

Make sure that the **Catch** values in your Sector Detail Report match the **Catch** values in your ACE Status Report. If these numbers disagree by more than a few pounds, examine your methods for preparing your sector reports.

Differences in Percentage (NMFS – Sector)

Sort the values in this column in descending order (highest to lowest). If any value is above 3 percent, as a “rule of thumb” you should prioritize this investigation.

For example, suppose the **Percent ACE** values between the sector and NMFS for HADGM differ by 6 percent, and that there is a large discrepancy between the sector **Catch** total (58000) and NMFS **Catch** total (98000) for HADGM.

Also suppose that NMFS has recorded a total of 81000 for **VTR + Dealer Matches** for HADGM. This total would greatly exceed the entire **Catch** total that your sector has, and **VTR + Dealer Matches** are the most reliable data. This suggests, at a minimum, that you might not be receiving VTRs from the vessels that regularly fish for Gulf of Maine haddock or that data are being dropped from your reports.

VMS, VTR, and Dealer Trips / Landings

Trips and landings are best documented when the VTR(s) for the trip match up with the dealer records for that same trip. In other words, you want to see as many trips / landings fall under the **VTR+Dealer Matches** category as possible.

Estimated Trips / Landings

Estimated data allows NMFS to anticipate the data that has not yet been received. Because of time lags in submission and processing, a VTR or dealer report may not yet “exist” in the NMFS databases. This is the reason imputed data is used as a placeholder. As actual data become available, those data replace the imputed data.

Estimated data are based on a VMS declaration, which lacks any associated catch information. In this case, an estimate of what the trip catch would have likely yielded, based on stat area and vessel history, is used.

Sort the values in **Estimated Data** by descending order using the number of trips, and again by using the amount of estimated pounds. A high number for either category means that NMFS is not receiving the two most important pieces of documentation for trips: VTRs and dealer records. Also, refer to the **Sector Orphans** sheet, which shows you sector trips that NMFS does not yet have recorded.

Landings Differences

The Landings Differences sheet shows each stratum (area, gear, and mesh) in the current week that has a difference in landings reported by NMFS and landings reported by the sector. See [Figure 4](#) for an example of the Landings Differences sheet.

Figure 4: Detail Report - Landings Differences

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Sector_Name:												
3	Sector_Id	Permit	Docid	Stock_Id	Vtrserno	Negear	Mesh_Cat	Date_Sold	NMFS Pounds	SDR Pounds	NEFS vs. SDR Diff	Species Code	
4			3658371	HADGBE	1	OTF	NA	19-JUN-11	1494	10097	7271	164744	
5			3658371	HADGBW	1	OHS	NA	19-JUN-11	22417	15146	3552	164744	
6			3751200	HADGBW	1	OTF	NA	19-SEP-11	8789	5237	1993	164744	
7			3751200	HADGM	1	OTF	NA	19-SEP-11	377	3928	1212	164744	
8			3736758	HADGBW	1	OTF	NA	18-SEP-11	2402	409	357	164744	
9			3736758	HADGBE	1	OTF	NA	18-SEP-11	10294	12286	195	164744	
10			3711834	CODGBE	1	OTF	NA	08-AUG-11	398	1628	152	164712	
11			3658371	HADGBW	1	OTF	NA	19-JUN-11	3736	2524	130	164744	
12			3711834	CODGMS	1	OTF	NA	08-AUG-11	332	1356	122	164712	
13			3711834	HADGBE	1	OTF	NA	08-AUG-11	5095	6114	95	164744	
14			3675128	HADGM	1	OTF	NA	23-JUN-11	419	62	46	164744	
15			3675128	HADGBW	1	OTF	NA	23-JUN-11	5633	5865	35	164744	
16			3748887	POKGMA	1	OTF	NA	29-SEP-11	584	389	16	164727	
17			3645683	HKWGMM	1	OHS	NA	26-MAY-11	336	184	3	164732	
18			3645683	HKWGMM	1	OTF	NA	26-MAY-11	1513	1664	3	164732	
19			3748887	PLAGMM	1	OTF	NA	29-SEP-11	162	32	2	172877	
20			3675128	HADGBE	1	OTF	NA	23-JUN-11	2996	3120	2	164744	

See [Table 3](#) immediately following for detailed explanation of each column in the Landings Differences sheet.

Table 3: Landings Differences Field Descriptions

Field	Description
Sector ID	Number that uniquely identifies the sector for the NMFS data systems.
Permit	The Vessel Permit Number (VPN) of the vessel that landed the fish. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS).
Docid	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into data systems.
Stock_Id	Unique stock identifier as taken from the Stock Area field in the VTR and computed against the species-to-stock-area conversion table.
Vtrserno	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Can also be the eVTR number in 14-digit format.
Negear	3-character code to indicate the standard Northeast gear code used in the observer and commercial fisheries databases.
Mesh_Cat	<p>Mesh category:</p> <ul style="list-style-type: none"> "ELM" = Extra Large Mesh (gillnet gear equal to or greater than 8 inches) "LM" = Large Mesh (gillnet gear less than 8 inches) "NA" = Not applicable (all other meshes) <p>The VTR has the mesh size for each sub-trip.</p>
Date_Sold	The date of first sale of a sector trip's catch to a seafood dealer. Subsequent sales will be summed to this date to form a complete trip. This is the date for which the discard ratio is effective for the trip.

Field	Description
NMFS Pounds	The live weight that NMFS has recorded for this stock
SDR Pounds	The live weight that the sector has reported for this stock in the Sector Manager Detail Report
NMFS vs. SDR Difference	<p>The difference between the live weight that NMFS has for this stock and the live weight that the Sector Manager Detail report has.</p> <ul style="list-style-type: none"> Positive number (no minus sign) means that NMFS has more recorded pounds than the Detail report has. Negative number (minus sign) means that the Detail report has more recorded pounds than NMFS has.
Species Code	The 6-digit Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.

How Do I Use the Landings Differences Sheet?

There are two general concerns to be aware of when looking at landing differences:

- **How old the records are** — Investigate older records first, if possible, because as records age it can be harder to track down information.
- **Largest differences between your data and NMFS data** — Fixing the largest discrepancies as they arise is beneficial because this makes reconciling your totals at the end of the fishing year a much more manageable task.

For example, the column **NMFS vs. SDR Difference** lets you troubleshoot the biggest differences:

1. Open the Landings Differences sheet.
2. Use the Excel “Sort” function to arrange the contents by the column **NMFS vs. SDR Difference**. [Figure 4](#) shows the landings differences sorted from largest to smallest.
3. Start looking at the biggest differences, in this case over 1000 pounds, as in [Figure 5](#):

Figure 5: Detailed Look at Landings Differences

Permit	Docid	Stock_Id	Vtrserno	Negear	Mesh_Cat	Date_Sold	NMFS Pounds	SDR Pounds	NEFS vs. SDR Diff	Species Code
	3658371	HADGBE	1 589	OTF	NA	19-JUN-11	1494	10097	7271	164744
	3658371	HADGBW	1 589	OHS	NA	19-JUN-11	22417	15146	3552	164744
	3751200	HADGBW	1 003	OTF	NA	19-SEP-11	8789	5237	1993	164744
	3751200	HADGM	1 003	OTF	NA	19-SEP-11	377	3928	1212	164744

Notice that the first two records have the *same* VTR number but have *different* gear codes. This immediately suggests a problem because a gear change on the same trip requires a separate VTR. This is a likely place to begin investigating. For example, it is possible that either your sector or NMFS entered the gear type incorrectly.

➤ Other Things to Look For in the Landings Differences Sheet

- Make sure that sub-trips (multiple VTRs on a single trip) report to the same **Docid**.

- If **SDR Pounds** has a “0” value, this is a “NMFS orphan”. See the section [NMFS Orphans](#) for more information.
- If **NMFS Pounds** has a “0” value, this is a “sector orphan”. See the section [Sector Orphans](#) for more information.
- **NMFS vs. SDR Difference** values:
 - If the value is a negative number, NMFS has a record of more pounds than your sector has.
Your record of a trip might be missing or incomplete; you should check your dealer records particularly. Also, you may have apportioned live weight incorrectly, or not accounted for non-dealer data such as bait or home consumption.
 - If the value is a positive number, your sector has a record of more pounds than NMFS is.
In this case, NMFS may not have processed the trip yet, or has not received the data, or the data is mismatched.
 - A difference of 1 pound is most likely a rounding issue and is not an urgent matter.
- Check to ensure that **Date_Sold** matches up with the date on the VTR. For example, a dealer could sell part of the catch from one VTR one day, and then sell the rest of the catch the next day.

NMFS Orphans

A “NMFS orphan” means that NMFS has a record of a trip that your sector does not have. See [Figure 6](#) for an example of what the NMFS Orphans sheet looks like.

Figure 6: NMFS Orphans Sheet

	A	B	C	D	E	F	G	H	I	J
1	Sector:									
2										
3	Sector_Id	Stock_Id	Gearcode	Mesh_Cat	Nmfs_Docid	Spplivlb	Species Code	Min Serial	Permit_Num	Max Date Sold
4		HKWGMMA	OTF	NA	3713890	5133	164732	1 993		31-AUG-11
5		REDGMGBSS	OTF	NA	3713890	105	166774	1 993		31-AUG-11
6		POKGMMASS	OTF	NA	3713890	418	164727	1 993		31-AUG-11
7		WITGMMA	OTF	NA	3713890	139	172873	1 993		31-AUG-11
8		PLAGMMA	OTF	NA	3713890	5500	172877	1 993		31-AUG-11
9		HADGBW	OTF	NA	3726837	2135	164744	1 489		14-SEP-11
10		POKGMMASS	OTF	NA	3726837	635	164727	1 489		14-SEP-11
11		WITGMMA	OTF	NA	3726837	4119	172873	1 489		14-SEP-11
12		PLAGMMA	OTF	NA	3726837	13754	172877	1 489		14-SEP-11
13		HKWGMMA	OTF	NA	3726837	4125	164732	1 489		14-SEP-11
14		REDGMGBSS	OTF	NA	3726837	259	166774	1 489		14-SEP-11
15		CODGBW	OTF	NA	3726837	1956.259	164712	1 489		14-SEP-11
16		CODGMSS	OTF	NA	3726837	4997.741	164712	1 489		14-SEP-11

See [Table 4](#) immediately following for detailed explanation of each column in the Landings Differences sheet.

Table 4: NMFS Orphans Field Descriptions

Field	Description
Sector_Id	Number that uniquely identifies the sector for the NMFS data systems.
Stock_Id	Unique stock identifier as taken from the Stock Area field in the VTR and computed against the species-to-stock-area conversion table.
Gearcode	3-character code to indicate the standard Northeast gear code.
Mesh_Cat	<p>Mesh category:</p> <ul style="list-style-type: none"> • "ELM" = Extra Large Mesh (gillnet gear equal to or greater than 8 inches) • "LM" = Large Mesh (gillnet gear less than 8 inches) • "NA" = Not applicable (all other meshes) <p>Mesh size is obtained from the VTR.</p>
Nmfs_Docid	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into NMFS data systems.
Spplivlb	Live weight as recorded by the dealer.
Species Code	The 6-digit Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.
Min Serial Num	Lowest VTR number for the trip. Some trips have more than one VTR, some have a single VTR only.
Permit Num	<p>The Vessel Permit Number (VPN) of the vessel that landed the fish. Permits are assigned by the Northeast Regional Office's Vessel Permit System (VPS). Reserved VPNs include:</p> <ul style="list-style-type: none"> • 000000=no permit or no vessel, check hull number; • 190998=Unknown undertonnage vessel; • 390998=Unknown tonnage vessel
Max Date Sold	The most recent date that the sector trip's catch was sold (if there are multiple Date Sold values associated with this trip).

How Do I Use the NMFS Orphans Sheet?

A good area to concentrate on initially is the part of the report that has data that you can cross-check right away:

- **VTRs** — Use your recordkeeping facilities to check on these VTR numbers. You can sort the contents of the NMFS Orphans sheet by **Min Serial Number**, as in [Figure 6](#). This shows clearly the missing trips by VTR.
- **Date sold** — Check the **Max Date Sold** value for each trip against the records you have already.
- **Permit numbers** — Check with the owner of the vessel to get more information about this trip, including the dealer who handled the catch.

Discard Differences

The Discards Differences sheet shows landings from each stratum (area, gear, and mesh) in the current week that has a difference in discard poundage recorded by NMFS and discards recorded by the sector. See [Figure 7](#) for an example of the Discard Differences sheet.

Figure 7: Discard Differences

Landings Differences and Orphans 11042011 [Compatibility Mode]																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2																			
3	Sector, Permit	Docid	Sp_Stock	Vtrserno	Negear	Mesh_C	Uob_Discard	Ob_Disca	Deal_Cor	Nmfs_Disc	Sdr_Disc	Discard_Diff	Num_Obs	Gear_Mat	Nd_Kall	D_Kall	Kall	Date_Sold	
4		3720995	HADGBE	52	OTF	NA	9.9047767			9.904777	109	334.615222	No		0	488.5333	488.5333	07-SEP-11	
5		3720995	REDGMC	52	OTF	NA	300.60978			300.6098	399	278.705524	No		0	57368	57368	07-SEP-11	
6		3700629	REDGMC	67	OHS	NA	186.12617			186.1262	280	242.366522	No		0	17308.44	17308.44	07-AUG-11	
7		3707544	PLAGMM	72	OTF	NA	163.08078		99998	163.0808	257	137.483878	No		50	22492.2	22542.2	18-AUG-11	
8		3645683	PLAGMM	07	OTF	NA	266.38418			266.3842	358	112.592627	No		0	36821.54	36821.54	26-MAY-11	
9		3675128	REDGMC	65	OTF	NA	100.17357			100.1736	192	107.351872	No		0	19117	19117	23-JUN-11	
10		3675128	HADGBE	65	OTF	NA	67.058099			67.0581	159	71.5476147	No		0	3307.507	3307.507	23-JUN-11	
11		3657635	PLAGMM	13	OTF	NA	373.68186			373.6819	465	71.020619	No		0	51653	51653	15-JUN-11	
12		3700629	CODGBE	67	OHS	NA	179.80278			179.8028	270	71	No		0	17308.44	17308.44	07-AUG-11	
13		3711834	HADGBE	73	OTF	NA	209.89593			209.8959	295	61.5518951	No		0	10352.7	10352.7	08-AUG-11	
14		3662956	PLAGMM	18	OTF	NA	168.16516			168.1652	248	48.6126773	No		0	23245	23245	19-JUN-11	
15		3700629	CODGMC	67	OTF	NA	6.5513377			6.551338	83	47.2787432	No		0	489.5224	489.5224	07-AUG-11	
16		3700629	REDGMC	67	OTF	NA	109.21029			109.2103	181	46.5643195	No		0	20841.56	20841.56	07-AUG-11	
17		3658371	POKGMF	89	OTF	NA	71.547615			71.54761	0	38.4687977	No		0	46252.93	46252.93	19-JUN-11	
18		3728934	CODGMC	99	OTF	NA	154.78675	246		246	175	33.2134749	1 Yes		0	11565.82	11565.82	05-SEP-11	
19		3658371	CODGBE	89	OTF	NA	71.020619			71.02062	0	28.7452186	No		0	6781.118	6781.118	19-JUN-11	
20		3728934	YELCCG	99	OTF	NA	65.240403	2		2	71	24.2202961	1 Yes		0	27948.29	27948.29	05-SEP-11	
21		3751200	CODGMC	03	OTF	NA	221.4665			221.4665	288	15.4781278	No		0	16548.19	16548.19	19-SEP-11	
22		3707544	REDGMC	72	OTF	NA	118.12171		99998	118.1217	185	12.3987558	No		50	22492.2	22542.2	18-AUG-11	
23		3645683	REDGMC	07	OTF	NA	192.94582			192.9458	259	10.2811545	No		0	36821.54	36821.54	26-MAY-11	
24		3720995	CODGMC	52	OTF	NA	103.10357			103.1036	169	10.2328202	No		0	7704	7704	07-SEP-11	
25		3657635	REDGMC	13	OTF	NA	270.66304			270.663	336	9.24439216	No		0	51653	51653	15-JUN-11	
26		3658371	WITGMM	89	OTF	NA	61.551895			61.5519	0	7.86570213	No		0	46252.93	46252.93	19-JUN-11	
27		3662956	CODGMC	18	OTF	NA	110.30482			110.3048	170	4.83899736	No		0	8242.084	8242.084	19-JUN-11	
28		3728934	POKGMF	99	OTF	NA	54.098948	0		0	60	4.79696141	1 Yes		0	34973	34973	05-SEP-11	
29		3707544	CODGBV	72	OTF	NA	81.603596		99998	81.6036	141	4.41566126	No		50	14124.27	14174.27	18-AUG-11	
30		3662956	REDGMC	18	OTF	NA	121.80439			121.8044	179	4	No		0	23245	23245	19-JUN-11	
31		3736758	CODGBE	56	OTF	NA	151.48292			151.4829	206	3.8180938	No		0	14463.74	14463.74	18-SEP-11	
32		3675128	CODGMC	65	OTF	NA	31.546839			31.54684	86	2.14195704	No		0	2357.211	2357.211	23-JUN-11	
33		3720995	CODGBV	52	OTF	NA	283.11121			283.1112	336	2.08347144	No		0	49175.47	49175.47	07-SEP-11	
34		3675128	CODGBV	65	OTF	NA	77.446993			77.44699	129	1.77503725	No		0	13452.28	13452.28	23-JUN-11	
35		3720995	CODGBE	52	OTF	NA	5.1165517			5.116552	56	1.61447005	No		0	488.5333	488.5333	07-SEP-11	
36		3700629	HADGBE	67	OHS	NA	99.376665			99.37667	149	1.55190052	No		0	17308.44	17308.44	07-AUG-11	
37		3658371	YELCCG	89	OTF	NA	48.612677			48.61268	0	1.49225875	No		0	20825.15	20825.15	19-JUN-11	

See [Table 5](#) immediately following for detailed explanation of each column in the Discard Differences sheet.

Table 5: Discard Differences Field Descriptions

Field	Description
Sector_Id	Number that uniquely identifies the sector for the NMFS data systems.
Permit	<p>The Vessel Permit Number (VPN) of the vessel that landed the fish. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). Reserved VPNs include:</p> <ul style="list-style-type: none"> • 000000=no permit or no vessel, check hull number; • 190998=Unknown undertonnage vessel; • 390998=Unknown tonnage vessel
Docid	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into NMFS data systems. Same as Nmfs_Docid .
Sp_Stock_Id	Unique stock identifier as taken from the Stock Area field in the VTR and computed against the species-to-stock-area conversion table. Same as Stock_id .
Vtrserno	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Could also be the 14-digit eVTR number.
Negear	3-digit code to indicate the standard Northeast gear code used in the observer and commercial fisheries databases.
Mesh_Cat	<p>Mesh category:</p> <ul style="list-style-type: none"> • "ELM" = Extra Large Mesh (gillnet gear equal to or greater than 8 inches) • "LM" = Large Mesh (gillnet gear less than 8 inches) • "NA" = Not applicable (all other meshes) <p>The VTR has the mesh size for each sub-trip.</p>
Uob_Discards	Unobserved discards as calculated by NMFS when no onboard observers were available for the trip.
Ob_Discards	Discards recorded by onboard observers. This is the best discard data available.
Deal_Codes	<p>The Dealer codes for catch that is not part of the dealer record (Spplivlb). Includes:</p> <ul style="list-style-type: none"> • 00001 SEIZED FOR VIOLATIONS • 00002 SOLD/USED FOR BAIT • 00004 FUTURE SALE • 00006 SUB-LEGAL FISH FOR RESEARCH • 00007 LEGAL SIZED FISH FOR RESEARCH • 00008 LANDED, UNMARKETABLE CATCH (LUMF) • 99998 HOME CONSUMPTION
Nmfs_Discards	The discard poundage that NMFS has computed for this sub-trip.
Sdr_Discards	The discard poundage that your sector has computed for this sub-trip.

Field	Description
Discard_Diff	The difference (in pounds) between what NMFS has computed for discards (Nmfs_Discards) and what your sector has computed for discards (Sdr_Discards). <ul style="list-style-type: none"> • Positive number = NMFS has recorded more discards than you have • Negative number = You have recorded more discards than NMFS has
Num_Obs_Dups	Duplicate record detected in the Observer database.
Gear_Match	Indicator whether "gear" value is present in Observer data. <ul style="list-style-type: none"> • Yes = No value for "gear" in the Observer data • No = There is a value for "gear" in the Observer data.
Nd_Kall	NMFS record of kept weight of all species that the dealer has not recorded. (Some examples of this type of catch can be found in Deal_Code in this table.)
D_Kall	Dealer record of kept weight of all species from observed and unobserved trips.
Kall	NMFS record of kept weight of all species from observed and unobserved trips. All species landed on a trip are Kall-species.
Date_Sold	Sale day of this catch as reported by the dealer.

How Do I Use the Discard Differences Sheet?

Among the items you can focus on when using the Discard Differences sheet are the following:

- Compare discards — Look for patterns in the **Nmfs_Discard** and **Sdr_Discard** numbers. For example, is the **Discard_Diff** number double that of the **Nmfs_Discard** or **Sdr_Discard** number? That would indicate a duplicate record. Is the number, say, 10 pounds higher or 100 pounds higher? This might indicate a decimal placement error.
- Sort the **Discard_Diff** numbers in descending order — Find out what the highest discrepancies are. Often those discrepancies are from a single trip or sub-trip, or are associated with a single permit number. This could indicate that the discard calculation was applied incorrectly in a specific case.
- Look at **Deal_Code** — When there is a value in the **Deal_Code** field, there should be a corresponding value in **Nd_kall** for the weight of the non-dealer catch. **Nd_kall** plus **D_kall** should equal **Kall**.
- Look for differences in discards when the trip has been observed (**Ob_Discards**). In this case, very likely there has been a simple transcription error because discard ratios are not applied to catch from observed trips.
- If there is a value in **Num_Obs_Dups**, it is an indication that the data in this particular record might not be trustworthy due to a duplicate record in the NMFS Observer database.

Imputed Trips

The Imputed Trips sheet shows all the trips in your sector since the start of the fishing year that are currently based on imputed data.

What Does “Imputed” Mean?

“Imputed” in this case means “estimated.” For the multispecies quota monitoring program, NMFS must estimate the total species landings and the statistical areas for groundfish trips if there are no available source data. These source data are the following:

- Dealer report
- VMS multispecies catch report
- Vessel Tracking Report (VTR)

If none of these source data from a trip are available, NMFS estimates the data in order to improve the accuracy of current groundfish stock projections until the trip source records become officially available.

How Are Imputations Calculated?

Calculating imputations involves two basic elements: comparing similar trips and using weighted averages.

Similar Trips

The calculation uses the duration of the trip (“trip length”) that the vessel reported to NMFS in the VMS Declaration. This trip length is then compared with trip lengths of groundfish trips in the past (“historical trips”) in this sector. These historical trips have either a VTR or a VTR with matched Dealer Reports. If there are enough historical trips to compare, NMFS further narrows the comparison to historical trips that have the following:

- the same vessel permit
- the VMS trip activity code’s declared gear
- the VMS trip activity code’s broad stock area

The result is a list of historical trips that vary in similarity to the trip reported by the VMS Declaration.

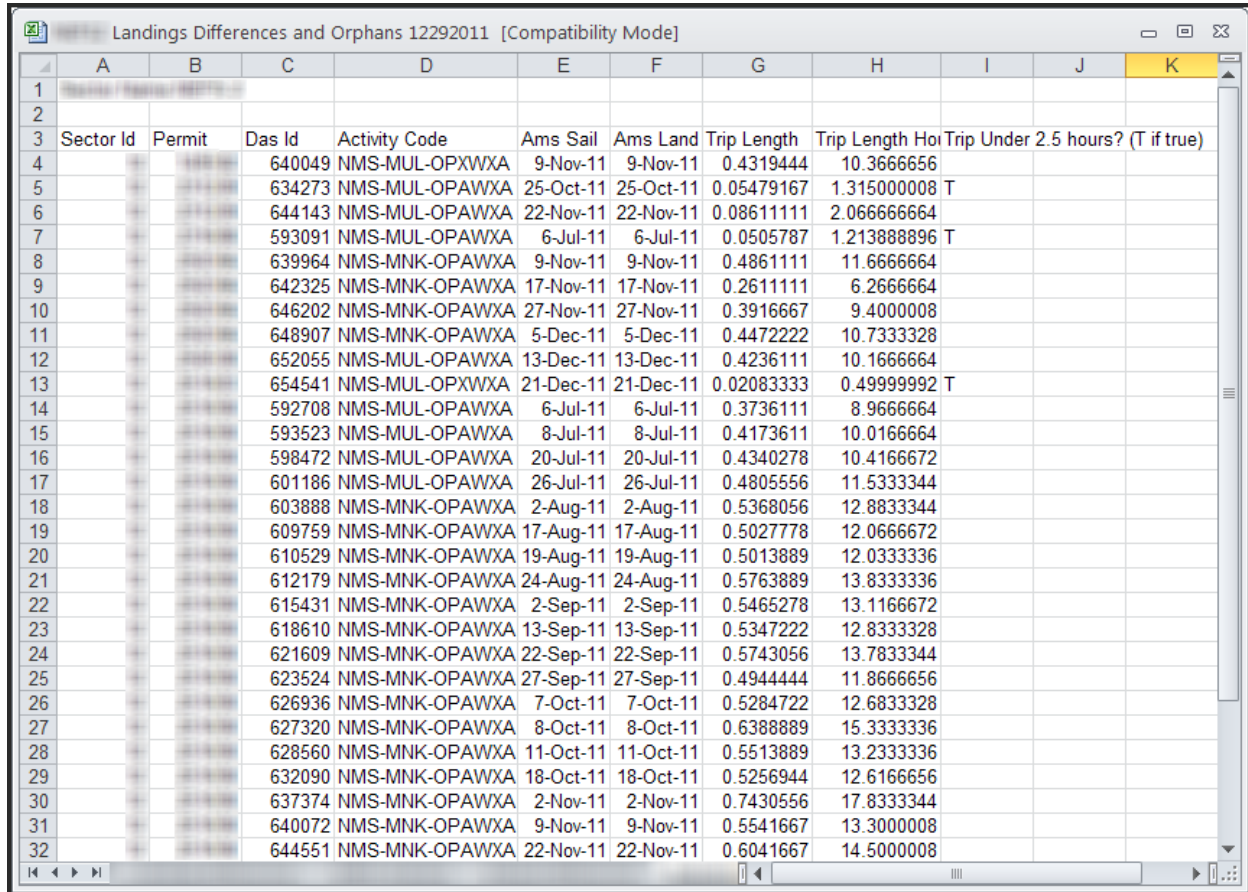
Weighted Averages

A *weighted* average is an average that results from multiplying each component by a factor that reflects that component’s greater or lesser importance. For example, if one component of all the components to be averaged is more important than the others, that component is given more mathematical “weight” when averaging takes place.

In this case, NMFS averages historical trips so that the result is an imputed trip with reasonable totals. However, the closer in time that the historical trip is to the imputed trip, the more “weight” that particular historical trip has when all the trips are averaged for the final result.

Imputed Trips Sheet

See [Figure 8](#) for an example of what the Imputed Trips sheet looks like.

Figure 8: Imputed Trips


	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Sector Id	Permit	Das Id	Activity Code	Ams Sail	Ams Land	Trip Length	Trip Length Hoi	Trip Under 2.5 hours? (T if true)		
4			640049	NMS-MUL-OPXWXA	9-Nov-11	9-Nov-11	0.4319444	10.3666666			
5			634273	NMS-MUL-OPAWXA	25-Oct-11	25-Oct-11	0.05479167	1.315000008	T		
6			644143	NMS-MUL-OPAWXA	22-Nov-11	22-Nov-11	0.08611111	2.066666664			
7			593091	NMS-MUL-OPAWXA	6-Jul-11	6-Jul-11	0.0505787	1.213888896	T		
8			639964	NMS-MNK-OPAWXA	9-Nov-11	9-Nov-11	0.4861111	11.6666664			
9			642325	NMS-MNK-OPAWXA	17-Nov-11	17-Nov-11	0.2611111	6.2666664			
10			646202	NMS-MNK-OPAWXA	27-Nov-11	27-Nov-11	0.3916667	9.4000008			
11			648907	NMS-MNK-OPAWXA	5-Dec-11	5-Dec-11	0.4472222	10.7333328			
12			652055	NMS-MUL-OPAWXA	13-Dec-11	13-Dec-11	0.4236111	10.1666664			
13			654541	NMS-MUL-OPXWXA	21-Dec-11	21-Dec-11	0.02083333	0.49999992	T		
14			592708	NMS-MUL-OPAWXA	6-Jul-11	6-Jul-11	0.3736111	8.9666664			
15			593523	NMS-MUL-OPAWXA	8-Jul-11	8-Jul-11	0.4173611	10.0166664			
16			598472	NMS-MUL-OPAWXA	20-Jul-11	20-Jul-11	0.4340278	10.4166672			
17			601186	NMS-MUL-OPAWXA	26-Jul-11	26-Jul-11	0.4805556	11.5333344			
18			603888	NMS-MNK-OPAWXA	2-Aug-11	2-Aug-11	0.5368056	12.8833344			
19			609759	NMS-MNK-OPAWXA	17-Aug-11	17-Aug-11	0.5027778	12.0666672			
20			610529	NMS-MNK-OPAWXA	19-Aug-11	19-Aug-11	0.5013889	12.0333336			
21			612179	NMS-MNK-OPAWXA	24-Aug-11	24-Aug-11	0.5763889	13.8333336			
22			615431	NMS-MNK-OPAWXA	2-Sep-11	2-Sep-11	0.5465278	13.1166672			
23			618610	NMS-MNK-OPAWXA	13-Sep-11	13-Sep-11	0.5347222	12.8333328			
24			621609	NMS-MNK-OPAWXA	22-Sep-11	22-Sep-11	0.5743056	13.7833344			
25			623524	NMS-MNK-OPAWXA	27-Sep-11	27-Sep-11	0.4944444	11.8666656			
26			626936	NMS-MNK-OPAWXA	7-Oct-11	7-Oct-11	0.5284722	12.6833328			
27			627320	NMS-MNK-OPAWXA	8-Oct-11	8-Oct-11	0.6388889	15.3333336			
28			628560	NMS-MNK-OPAWXA	11-Oct-11	11-Oct-11	0.5513889	13.2333336			
29			632090	NMS-MNK-OPAWXA	18-Oct-11	18-Oct-11	0.5256944	12.6166656			
30			637374	NMS-MNK-OPAWXA	2-Nov-11	2-Nov-11	0.7430556	17.8333344			
31			640072	NMS-MNK-OPAWXA	9-Nov-11	9-Nov-11	0.5541667	13.3000008			
32			644551	NMS-MNK-OPAWXA	22-Nov-11	22-Nov-11	0.6041667	14.5000008			

See [Table 6](#) immediately following for detailed explanation of each column in the Imputed Trips sheet.

Table 6: Imputed Trips Field Descriptions

Field	Description
Sector Id	Number that uniquely identifies the sector to the NMFS data systems.
Permit	<p>The Vessel Permit Number (VPN) of the vessel that landed the fish. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). Reserved VPNs include:</p> <ul style="list-style-type: none"> • 000000=no permit or no vessel, check hull number; • 190998=Unknown undertonnage vessel; • 390998=Unknown tonnage vessel
Das Id	Days At Sea record identification, which the VMS system uses to uniquely identify a trip.
Activity Code	The VMS activity code that gets logged into the AMS system. (You can change your activity code within AMS if, for example, you took your vessel on a non-fishing trip and crossed the demarcation line.)
Ams Sail	Date that the vessel declared the start of a fishing trip through the VMS system, which sends the information to the AMS system.
Ams Land	Date that the vessel declared the end of a fishing trip to the VMS system, which sends the information to the AMS system.
Trip Length	The time (in days) that the vessel spent on a fishing trip. This value matches the time between the Ams Sail and Ams Land dates.
Trip Length Hours	The time (in hours) that the vessel spent on a fishing trip. This value matches the time between the Ams Sail and Ams Land dates.
Trip Under 2.5 Hours?	Indicates if a trip is under 2.5 hours (could indicate a non-fishing trip).

How Do I Use the Imputed Trips Sheet?

The VMS Declaration is one data input stream into the AMS system. The Imputed Trips sheet displays selected fields from AMS, including those fields that indicate trip length.

One way to use the Imputed Trips sheet is to do the following:

1. Sort the sheet contents by the **Ams Land** column in ascending order. In other words, sort the contents so that the oldest trips are listed first. (Always try to clear up the oldest trips first, if possible.)
2. Use the **Permit** and **Activity Code** fields to identify the vessel owner/operator that was involved in the imputed trip, and the **Time Length** field to get a good idea of when that trip took place.
3. Contact the vessel owner/operator to begin gathering information about the reason for the missing VTR, and to find out which dealer handled the catch from this trip.
4. If the Dealer report is missing, you can contact the dealer to find out what happened to the record for that transaction.

Sector Orphans

A “sector orphan” means that your sector has a record of a trip or sub-trip that NMFS does not have. See [Figure 9](#) for an example of what the Sector Orphans sheet looks like.

Figure 9: Sector Orphans

	A	B	C	D	E	F	G	H	I
1									
2									
3	Date_Sold	Vtrserno	Sdr_Stock_Id	Negear	Mesh_Cat	Spplvlb	Sdr_Docid	Sdr Permit	Species_Itis
4	21-AUG-11	1 101	FLWGB	OTF	NA	0	3709477	1	410242
5	21-AUG-11	1 101	FLWGMSS	OTF	NA	0	3709477	1	410242
6	29-AUG-11	1 102	FLWGMSS	OTF	NA	0	3713834	1	410242
7	29-AUG-11	1 102	HADGM	OTF	NA	0	3713834	1	410242
8	27-AUG-11	1 551	YELCCGM	OTF	NA	0	3720996	1	410555
9	07-SEP-11	1 552	PLAGMMA	OTF	NA	2672	3720995	1	410555
10	07-SEP-11	1 552	FLWGB	OTF	NA	23	3720995	1	410555
11	07-SEP-11	1 552	FLWGMSS	OTF	NA	23	3720995	1	410555
12	07-SEP-11	1 552	YELGB	OTF	NA	14	3720995	1	410555
13	07-SEP-11	1 552	YELCCGM	OTF	NA	14	3720995	1	410555
14	07-SEP-11	1 552	CODGMSS	OTF	NA	0	3720995	1	410555
15	07-SEP-11	1 552	HADGM	OTF	NA	0	3720995	1	410555
16	07-SEP-11	1 552	CODGBE	OTF	NA	0	3720995	1	410555
17	18-SEP-11	1 556	FLWGB	OTF	NA	0	3736758	1	410555
18	18-SEP-11	1 556	REDGMGBSS	OTF	NA	1019	3736758	1	410555
19	18-SEP-11	1 556	CODGBE	OTF	NA	0	3736758	1	410555
20	18-SEP-11	1 556	YELGB	OTF	NA	0	3736758	1	410555
21	09-MAY-11	1 806	CODGBE	OTF	NA	0	3623050	1	410555
22	09-MAY-11	1 806	YELGB	OTF	NA	0	3623050	1	410555
23	21-MAY-11	1 808	CODGBE	OTF	NA	0	3637639	1	410555
24	21-MAY-11	1 808	HADGBE	OTF	NA	0	3637639	1	410555
25	21-MAY-11	1 808	YELCCGM	OTF	NA	0	3637639	1	410555
26	05-JUN-11	1 811	HADGM	OTF	NA	0	3651678	1	410555
27	05-JUN-11	1 811	YELCCGM	OTF	NA	0	3651678	1	410555
28	05-JUN-11	1 811	CODGMSS	OTF	NA	0	3651678	1	410555
29	05-JUN-11	1 811	FLWGMSS	OTF	NA	0	3651678	1	410555
30	15-JUN-11	1 813	POKGMASS	OTF	NA	8088	3657635	1	410555
31	15-JUN-11	1 813	HKWGMMA	OTF	NA	418	3657635	1	410555
32	15-JUN-11	1 813	WITGMMA	OTF	NA	377	3657635	1	410555
33	15-JUN-11	1 813	PLAGMMA	OTF	NA	343	3657635	1	410555

See [Table 7](#) immediately following for detailed explanation of each column in the Sector Orphans sheet.

Table 7: Sector Orphans Field Descriptions

Field	Description
Date_Sold	Sale date of this catch as reported by the dealer and recorded on the Sector Detail Report.
Vtrserno	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Could also be eVTR number.
Sdr_Stock_Id	Unique stock identifier as taken from the Stock Area field in the VTR and computed against the species-to-stock-area conversion table. Same as Stock_id .
Negear	3-character code to indicate the standard Northeast gear code used in the observer and commercial fisheries databases.
Mesh_Cat	<p>Mesh category:</p> <ul style="list-style-type: none"> • "ELM" = Extra Large Mesh (gillnet gear equal to or greater than 8 inches) • "LM" = Large Mesh (gillnet gear less than 8 inches) • "NA" = Not applicable (all other meshes) <p>The VTR has the mesh size for each sub-trip.</p>
Spplvlb	Live weight as recorded by the dealer.
Sdr_Docid	The Doc Id for the trip that was reported on the Sector Detail Report. Unique identifier for a trip, which may include one or more VTRs. eVTRs do not generate Sdr_Docids.
Sdr_Permit	<p>The Vessel Permit Number (VPN) of the vessel that landed the fish as recorded on the Sector Detail Report. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). Reserved VPNs include:</p> <ul style="list-style-type: none"> • 000000=no permit or no vessel, check hull number; • 190998=Unknown undertonnage vessel; • 390998=Unknown tonnage vessel
Species_Itis	The 6-digit Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.

How Do I Use the Sector Orphans Sheet?

There are several things to pay attention to when examining the Sector Orphans sheet.

- Sector Orphans records will parallel the results in the Landings Differences sheet because both reports show what NMFS does not have a record of.
- You can sort on **Sdr_Docid** to order the list by VTRs in ascending order. This way you can investigate on a trip or subtrip basis.

NMFS may have erroneous data because, for example, the stock/species that the dealer reported to NMFS might be in error, or there could have been a VTR data entry error. These types of errors would cause an unwarranted addition to your ACE. The RTL Detail Report gives you the opportunity to discover possible errors and help ensure that they get fixed.

- The **Spplivlb** column shows live weight as recorded by the dealer. A value of “0” means that NMFS has no record of this catch, and most likely has not received the Dealer report.
- Bait/home consumption — Be aware that the dealer is not required to report certain categories of catch such as bait and home consumption, but sectors must include these “non-dealer” catch totals when computing the catch total for a trip.
- Gear/Mesh
 - A mismatch between the gear type and the mesh category creates a sector orphan.
 - All gear types except “gillnet” should have “NA” as the mesh type; otherwise, the record becomes a sector orphan.